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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/822,174	04/09/2004	Vincent J. Lonero	1207-00015	1784
26659	7590	02/17/2006		
RAGGIO & DINNIN, P.C. 2701 CAMBRIDGE COURT, STE. 410 AUBURN HILLS, MI 48326			EXAMINER TOLAN, EDWARD THOMAS	
			ART UNIT 3725	PAPER NUMBER

DATE MAILED: 02/17/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/822.174

Applicant(s)

LONERO, VINCENT J.

Examiner

Edward Tolan

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If no period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 and 10-20 is/are rejected.
- 7) ☒ Claim(s) 9 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
2) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 7-2-2004.

- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 3 rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The terms "compressing a rolling element or a positioning member" are unclear.

Claim 10 recites the limitation "said pin" in line 1. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-8 and 10-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Moss (2,453,722) in view of Balaity et al. (5,572,899). Moss discloses a rolling toll comprising a housing (2,10) having a recessed region defining a seat (6), tools (12,13) having rollers (14,15) are positioned in the seat and a locking member (8) removably secures the tools into the seat. The tools have an extension which extends into the recessed region of the seat in a dovetail connection. A positioning means (17) positions

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the tools within the seat. The locking member is threaded to move between retracted and extended positions to secure the tool in the seat. Moss does not disclose a ball and spring to position the tools in the seat. Balaity teaches threaded screws (44,46), springs (45,47) and balls (49,51). The balls (49,51) are received in grooves (76,78) in tools (40,42) in order to keep the tools in place within a seat (70) in a housing (16). The screws, springs and balls are located within the seat and as the tool is slid into the seat, they lock the tool in place. It would have been obvious to one skilled in the art at the time of invention to substitute the screws, springs and balls of Balaity for the positioning means (17) of Moss in order to positively lock the tools in a specified location every use.

Claims 1-8 and 10-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Balaity et al. (5,572,899) in view of Moss (2,453,722). Balaity discloses a detent comprising threaded screws (44,46), springs (45,47) and balls (49,51). The balls (49,51) are received in grooves (76,78) in tools (40,42) in order to keep the tools in place within a seat (70) in a housing (16). The screws, springs and balls are located within the seat and as the tool is slid into the seat, they lock the tool in place. Balaity discloses a plurality of seats, tools and detents. Balaity does not disclose rolling tools. Moss teaches a rolling toll comprising a housing (2,10) having a recessed region defining a seat (6), tools (12,13) having rollers (14,15) are positioned in the seat. It would have been obvious to one skilled in the art at the time of invention to substitute the rolling tools of Moss for the bending jaws of Balaity in order to form knurls in a sheet of material.

Allowable Subject Matter

Claim 9 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communications should be directed to Ed Tolan whose telephone number is 571-272-4525. FAX communications should be sent to 571-273-8300.

ED TOLAN
PRIMARY EXAMINER

